Powering and Connecting Your World

Unmanaged Industrial Network Switches

Connect Equipment to Industrial Ethernet Networks

Tripp Lite's industrial network switches mount on standard 35 mm DIN rail and withstand harsh conditions on the factory floor.

Perfect for:
Factories, warehouses and other demanding industrial environments.

Industrial environments present multiple challenges for network connections. Vibrations, extreme temperatures and electrical interference can all affect the reliability of a network.

Tripp Lite's industrial network switches are built to endure harsh conditions on the factory floor. These unmanaged switches feature ruggedized construction, a wide operating temperature range and ESD (electrostatic discharge) protection. All of the switches have a terminal block and include a bracket for DIN rail mounting. Switches are available with up to 16 Ethernet ports with options for SFP ports and Power over Ethernet (PoE).

Key Benefits

QUICK LAN CONNECTIONS

- Switches feature auto-negotiating Fast Ethernet (10/100 Mbps) or Gigabit Ethernet (10/100/1000 Mbps) RJ45 ports.
- MDI/MDIX crossover detection allows the RJ45 ports to automatically detect and choose the connection required without using special crossover cables for uplinks.

ERROR-FREE FORWARDING

- Store-and-forward switching stores a complete frame and checks it for errors before forwarding it to its destination. Frames with errors are discarded, preventing disruptions to network traffic.

DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Ruggedized metal case withstands vibration, shock and free fall; it is rated IP30 for protection from tools and wires greater than 2.5 millimeters.
- Wide operating temperature range allows equipment to function in cold and hot environments.
- ESD protection (±8kV air discharge, ±4kV contact discharge) reduces potential static damage to connected equipment.
- Pre-installed rail clip mounts to a standard 35 mm DIN rail; some switches can also mount to a wall.

PLUG-AND-PLAY SETUP

- Switches are unmanaged for fast deployment. There is no software to download or settings to configure before use.

CONVENIENT TERMINAL BLOCK INPUT

- A terminal block power input helps prevent unnecessary downtime.
- Switches with a 6-pin terminal block have redundant power inputs. When used with two power sources, these switches support the wiring of the alarm relay contacts to an existing alarm circuit.

FIBER OPTIC UPLINKS (SELECT MODELS)

- Also known as Mini-GBIC ports, SFP uplink ports accept SFP (small form-factor pluggable) transceivers that allow multiple switches to be connected using fiber optic cable.

POWER FOR PoE DEVICES (SELECT MODELS)

- PoE+ ports support Power over Ethernet to power connected PoE devices, such as IP phones, wireless access points and security cameras.

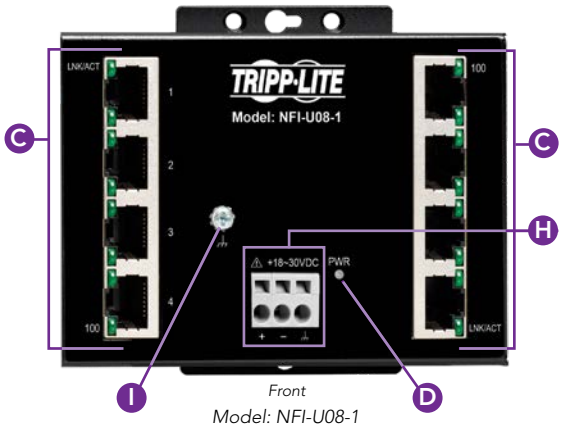
TAA COMPLIANCE

- Switches comply with the Federal Trade Agreements Act (TAA), making them eligible for GSA Schedule purchases.

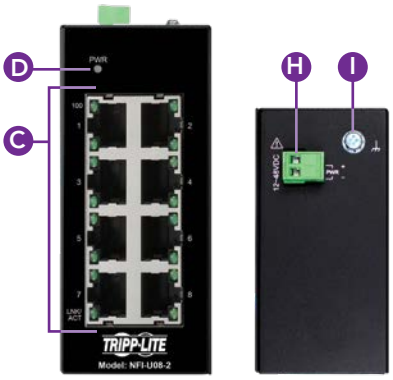
TAA COMPLIANT

Feature Focus

Back
All Models

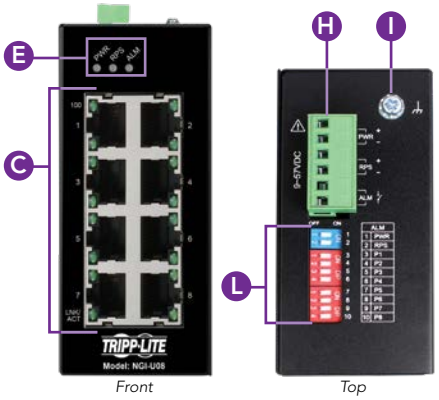


Front
Model: NFI-U08-1
(Shown with Wall-Mount Brackets)



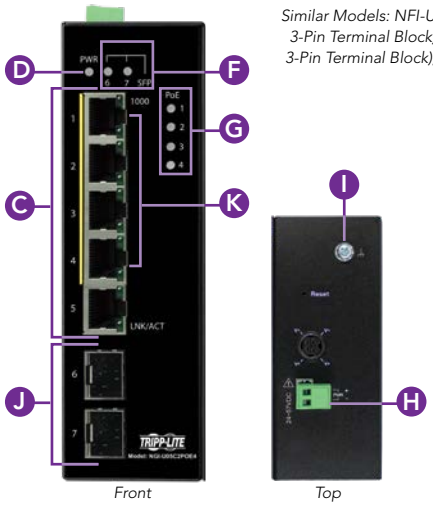
Front Top
Model: NFI-U08-2

Similar Models: NFI-U05 (5 Fast Ethernet Ports, 3-Pin Terminal Block), NGI-U05 (5 GbE Ports, 3-Pin Terminal Block), NGI-U16 (16 GbE Ports)



Front Top
Model: NGI-U08

Similar Models: NGI-U08C2 (SFP Ports), NGI-U08C2POE8 (SFP Ports, PoE Ports)



Front Top
Model: NGI-U05C2POE4

Similar Model: NGI-U05POE4 (No SFP Ports)

A DIN Rail Bracket

B Ruggedized Metal Case

C Ethernet Ports with Status LEDs
NFI-series supports 10/100 Mbps.
NGI-series supports 10/100/1000 Mbps.

D Power LED

E Primary Power, Redundant Power and Alarm Status LEDs

F SFP Port Status LEDs

G PoE Activity LEDs

H Power Input Terminal Block

I Grounding Screw

J SFP Uplink Ports

K PoE+ Ports

L DIP Switches

SPECIFICATIONS

Model	RJ45 Ports	SFP Ports	PoE+ Ports	Switching Capacity*	Terminal Block	Operating Temp. Range	Mounting Support	Unit Dimensions (H x W x D)**
Unmanaged Fast Ethernet Switches — 10/100 Mbps								
NFI-U05	5	—	—	1 Gbps	3-Pin, 12-48 VDC	-40° to +167°F	DIN/Wall Mount (Slots)	4.3 x 0.9 x 2.9 in.
NFI-U08-1	8	—	—	1.6 Gbps	3-Pin, 18-30 VDC	-40° to +167°F	DIN/Wall Mount (Brackets)	2.91 x 4.3 x 1.21 in.
NFI-U08-2	8	—	—	1.6 Gbps	2-Pin, 12-48 VDC	-40° to +167°F	DIN Mount	4.57 x 1.97 x 3.94 in.
Unmanaged Gigabit Ethernet Switches — 10/100/1000 Mbps								
NGI-U05	5	—	—	10 Gbps	3-Pin, 9-48 VDC	-40° to +167°F	DIN/Wall Mount (Slots)	4.3 x 0.9 x 2.9 in.
NGI-U08	8	—	—	16 Gbps	6-Pin, 9-57 VDC, Redundant Power Inputs	-40° to +167°F	DIN Mount	4.57 x 1.97 x 3.94 in.
NGI-U08C2	8	2 (Dedicated)	—	20 Gbps	6-Pin, 24-48 VDC, Redundant Power Inputs	-40° to +167°F	DIN Mount	4.57 x 1.97 x 3.94 in.
NGI-U16	16	—	—	32 Gbps	2-Pin, 12-48 VDC	-40° to +167°F	DIN Mount	6.3 x 1.97 x 4.7 in.
Unmanaged Gigabit Ethernet Switches with PoE — 10/100/1000 Mbps								
NGI-U05POE4	5	—	4 (≤ 30W Each; ≤ 120W Total)	10 Gbps	2-Pin, 24-57 VDC	14° to 140°F	DIN Mount	6.3 x 1.97 x 4.7 in.
NGI-U05C2POE4	5	2 (Dedicated)	4 (≤ 30W Each; ≤ 120W Total)	14 Gbps	2-Pin, 24-57 VDC	14° to 140°F	DIN Mount	6.3 x 1.97 x 4.7 in.
NGI-U08C2POE8	8	2 (Dedicated)	8 (≤ 30W Each; ≤ 240W Total†)	20 Gbps	6-Pin, 24-57 VDC, Redundant Power Inputs	-40° to +167°F	DIN Mount	6.3 x 1.97 x 4.7 in.

* Full duplex. **Without mounting bracket. † @ 48 VDC. **All models:** 3-year limited warranty. IEEE certifications vary by model. See tripplite.com for the most up-to-date specifications.

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